

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method in a communication network for isolating a communication device, the method comprising:
 - receiving a call from the communication device;
 - determining whether ~~a characteristic of the call is undesirable~~ data being transmitted from the communication device includes a virus;
 - terminating the call;
 - disabling the communication device from establishing a new call upon determining ~~the characteristic of the call is undesirable~~ that the data transmitted from the communication device includes a virus; and
 - de-registering the communication device.
2. (Currently Amended) The method of claim 1, wherein determining whether ~~a characteristic of the call is undesirable~~ the data being transmitted from the communication device includes a virus includes monitoring the call for the duration of the call.
3. (Currently Amended) The method of claim 1, wherein determining whether the data being transmitted from the communication device includes a virus ~~characteristic of the call is undesirable~~ includes at least one of:
 - evaluating a pattern of the ~~call~~ data being transmitted from the communication device; and
 - comparing the ~~characteristic~~ pattern of the data being transmitted ~~call~~ to a predetermined ~~pattern~~ undesirable characteristic of data known to include the virus.
4. (Original) The method of claim 1, wherein:
 - the call comprises a plurality of call sessions, and
 - terminating the call includes terminating one call session of the plurality of call sessions.

5. (Currently Amended) The method of claim 1, further comprising:

transmitting a message indicative of the ~~communication device suspected of call~~
~~having an undesirable characteristic~~ virus infection to the communication device upon
determining ~~the characteristic of the call is undesirable~~ that the data transmitted from the
communication device includes a virus.

6. (Currently Amended) The method of claim 5, wherein the message includes at least one of:

a cause value indicative of ~~the undesirable characteristic of the call~~ the virus
infection;

an instruction to remediate the communication device; and
a mechanism designed to remediate the communication device.

7. (Original) The method of claim 1, wherein disabling the communication device from initiating
a new call includes transmitting a disabling message to the communication device.

8. (Original) The method of claim 1, wherein de-registering the communication device includes
maintaining a de-registration list having an identification of the communication device.

9. (Original) The method of claim 1, further comprising:

redirecting the call to a remediation center,
wherein the remediation center is designed to remediate the communication
device.

10. (Original) The method of claim 9, wherein redirecting the call to the remediation center by at
least one of:

providing an instruction to connect to the remediation center; and
establishing a communication between the communication device and the
remediation center.

11. (Currently Amended) The method of claim 1, further comprising:

restricting the de-registered communication device in establishing communication to a predetermined limited set of destinations upon determining ~~the characteristic of the call is undesirable~~that the data transmitted from the communication device includes a virus.

12. (Original) The method of claim 11, wherein the predetermined limited set of destinations includes at least one of:

an emergency service provider, and

a remediation center,

wherein the remediation center is designed to remediate the communication device.

13. (Currently Amended) A communication network configured to isolate a communication device, the network comprising:

a register configured to register an identification of a communication device authorized to access the communication network;

a receiver coupled to the register, the receiver configured to receive a call from the communication device;

a call characterizer coupled to the receiver, the call characterizer configured to determine whether ~~a characteristic of the call is undesirable~~data being transmitted from the communication device includes a virus; and

a transmitter coupled to the call characterizer, the transmitter configured to transmit a disabling message to the communication device if the call characterizer determines ~~the characteristic of the call is undesirable~~that the data transmitted from the communication device includes a virus,

wherein the disabling message is configured to prevent the communication device from establishing a new call.

14. (Currently Amended) The communication network of claim 13, wherein the register is further configured to de-register the identification of the communication device if the call characterizer determines ~~the characteristic of the call is undesirable~~that the data transmitted from the communication device includes a virus.
15. (Currently Amended) The communication network of claim 13, further comprising:
a de-registration register coupled to the call characterizer and to the register, the de-registration register configured to maintain the identification of the communication device if the call characterizer determines ~~the characteristic of the call is undesirable~~that the data transmitted from the communication device includes a virus.
16. (Currently Amended) The communication network of claim 13, further comprising:
a call re-director coupled to the call characterizer, the call re-director configured to re-direct the call to a remediation center if the call characterizer determines ~~the characteristic of the call is undesirable~~that the data transmitted from the communication device includes a virus.
wherein the remediation center is configured to remediate the communication device.
17. (Currently Amended) The communication network of claim 13, wherein the call characterizer is further configured to evaluate a pattern of the ~~call~~ data being transmitted from the communication device.
18. (Currently Amended) The communication network of claim ~~13~~ 17, wherein the call characterizer is further configured to compare the ~~characteristic~~ pattern of the data being transmitted ~~call~~ to a predetermined pattern of data known to include a virus~~undesirable characteristic.~~

19. (Currently Amended) The communication network of claim 13, wherein the transmitter is further configured to transmit a notification indicative of the communication device suspected of call having an undesirable characteristic virus infection if the call characterizer determines ~~the characteristic of the call is undesirable~~ that the data transmitted from the communication device includes a virus.
20. (Currently Amended) The communication network of claim 19, wherein the notification includes at least one of:
- an instruction to remediate the communication device; and
 - a mechanism designed for the communication device to remediate ~~a cause of the undesirable characteristic of the call~~ the virus infection.
21. (Original) The communication network of claim 13, wherein the disabling message is further configured to allow the communication device to initiate a call if the call is directed to one of a predetermined limited set of destinations.
22. (Original) The communication network of claim 21, wherein the predetermined limited set of destinations includes at least one of:
- an emergency service provider; and
 - a remediation center,
- wherein the remediation center is configured to remediate the communication device.